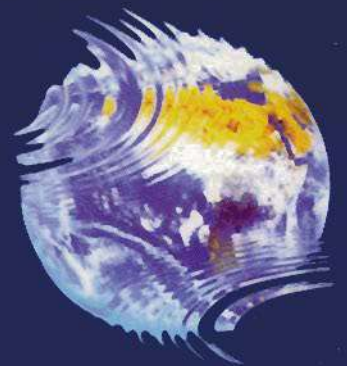




FLOBOND

*Water Savings
for Agriculture*

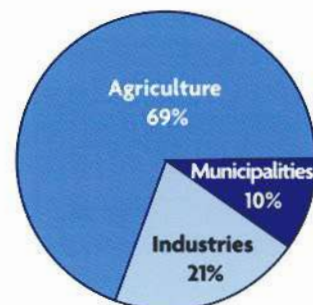


SNF FLOERGER®

FLOBOND Water Savings for Agriculture

Agriculture is the prime user of water on the planet. 70% of the world's available soft water is used for irrigation. From the 3 600 km³ of water extracted each year, roughly two thirds are consumed by evaporation, plant sweating as well as by runoff and ground infiltration without any use for the plants.

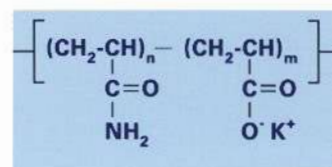
Agriculture has already implemented many changes in order to use less water and preserve this endangered resource. Among these techniques the use of polyacrylamides in irrigation allows to save up to 30% water.



FLOBOND

Soil Conditioner

The **FLOBOND** series are polyacrylamide based organic co-polymers. Their characteristics: high molecular weight, anionic and water-soluble makes them very efficient as soil conditioners.



ACTION

Better Availability

Depending on the type of soil and the method of irrigation, **FLOBOND** increases the amount of water available to the roots while lowering the overall consumption of water needed for irrigation. Water runoff, erosion and lixiviation are strongly reduced, increasing savings in completion products such as fertilizers and other agricultural additives.

USAGE

A Few Drops is Enough

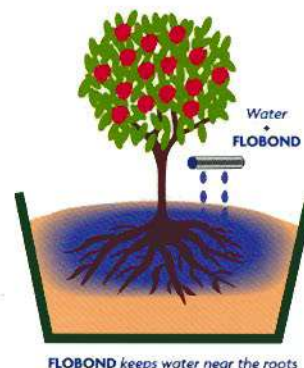
Simple injection in the water flow or slow dilution of tablets allows just a few mg/l of **FLOBOND** to viscosify the water. It will then form aggregates of fine particles on the soil's upper level where roots are formed. These aggregates will change the soil's porosity and enhance the water retention.



RESULTS

Save Up to 30% Water

Under most irrigation conditions a third of the water loss is due to water run-off and lixiviation. Numerous independent studies and full-field tests using polyacrylamides, mainly in Australia and the USA, have demonstrated that the same production is reached while irrigating less frequently and using less water each time. **FLOBOND** also lowers the losses by lixiviation of nutritional elements; these will be stored in the rooting zone before being used by the plants.



IMPLEMENTATION

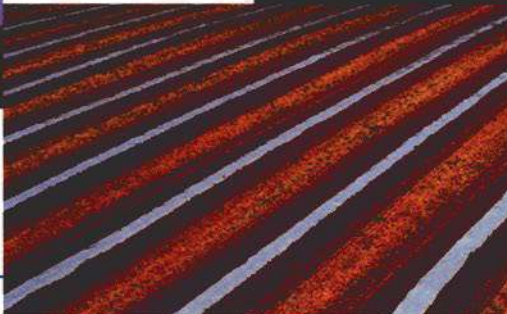
Powders, Emulsions or Tablets

FLOBOND exists in different forms, powder, emulsion and tablets. For every existing irrigation system, **SNF** has the most efficient, safe and simple application equipment.

ENVIRONMENT

Low Impact

FLOBOND naturally breaks down in soils under the action of UV and microbiological attacks to form water, CO₂ and Ammonium Nitrate. Soil bacteria consume the nitrogen group of the molecule rapidly, no toxicity has been found in water or soil. The product is approved in the USA (FDA) and in France (Ministère de la Santé) as a drinking water and wastewater treatment additive





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